County of Los Angeles
CHIEF EXECUTIVE OFFICE
Kenneth Hahn Hall of Administration
500 West Temple Street, Room 713, Los Angeles, California 90012
(213) 974-1101
http://ceo.lacounty.gov

WILLIAM T FUJIOKA
Chief Executive Officer

Board of Supervisors
GLORIA MOLINA
First District

MARK RIDLEY-THOMAS
Second District

ZEV YAROSLAVSKY
Third District

DON KNABE
Fourth District

MICHAEL D. ANTONOVICH
Fifth District

September 1, 2011

To: Mayor Michael D. Antonovich
Supervisor Gloria Molina
Supervisor Mark Ridley-Thomas
Supervisor Zev Yaroslavsky
Supervisor Don Knabe

From: William T Fujioka
Chief Executive Officer

LOS ANGELES NETWORK FOR ENHANCED SERVICES - QUARTERLY UPDATE

On May 31, 2011, your Board authorized the Chief Executive Officer (CEO), as Chair of the Los Angeles Network for Enhanced Services (LANES) Board, to execute and implement the terms of the Cal eConnect (CeC) Health Information Exchange Expansion Grant Agreement on behalf of LANES, and accept grant funds in the amount of $996,070 for the Health Data Highway Project (HDHP), effective upon Board approval for the term of June 2011 through November 2012, with approval by County Counsel and prior notification to the Board; and authorized the CEO to execute future amendments for modifications needed to comply with changes in State or federal laws or regulations, changes to line items in the budget and/or the timeline/deliverables as required for project implementation, and no-cost extensions if needed for project completion, in consultation with County Counsel and prior notification to your Board. In addition, your Board instructed the CEO to provide quarterly updates.

This is to provide our first quarterly report.

CURRENT STATUS

LANES worked with CeC staff to review and approve the final documents and they were signed on June 21, 2011. With the CeC grant agreement signed, LANES finalized a detailed statement of work (SOW) with its technology partner, Western Health Information Network (WHIN), necessary to achieve the deliverables included in the CeC grant (Attachment). This process was completed on August 16, 2011. Public Health

"To Enrich Lives Through Effective And Caring Service"

Please Conserve Paper – This Document and Copies are _Two-Sided_
Intra-County Correspondence Sent Electronically Only

Foundation Enterprises, Inc. (PHFE), the LANES fiscal intermediary, has incorporated these SOW's into technology services agreements with WHIN in order to carry out this work.

CeC processed the first quarter payment to LANES and it was received by PHFE. The County's Auditor-Controller is working with CEO and PHFE staff to ensure all of the reporting requirements for the grant funds are met.

Based on the additional time required to complete these items, LANES notified CeC that our deliverables and timeline for the grant will be revised accordingly. LANES and WHIN staff are currently evaluating the deliverables that were to be completed in the first quarter (June 2011 through August 2011) and updating the timeline for the deliverables. We will be working with CeC over the coming weeks on the revised timeline, pending their approval. A copy of the updated timeline will be provided to your Board as soon as it is available.

OTHER UPDATES

In addition to the items listed above, the following activities have taken place:

- Interim Executive Director (ED) for LANES hired – LANES has hired an interim ED, Debbie Rieger. Ms. Rieger has extensive experience in health information exchange and health information technology. As previously reported to your Board on May 31, 2011, L.A. Care is covering the salary of an ED for an 18 month period, which provides a portion of the required matching funds for the CeC grant. This interim appointment is expected to be for a 3 to 6 month period. In her role, Ms. Rieger will report to the LANES Board and will assume the role of Project Manager for the LANES CeC project; develop a sustainability plan for LANES; and assist with the search for the permanent LANES ED and the transition of responsibilities.

- New LANES Board member – Ken W. Kizer, MD, MPH, recently joined the LANES Board as the sixth Board member, filling the seat of the Independent Organization. Mr. Kizer is currently the Director of the Institute for Population Health Improvement at the University of California (UC) Davis Health System as well as a distinguished professor at the UC Davis School of Medicine and Betty Irene Moore School of Nursing. Mr. Kizer brings a wealth of health information technology background and experience to the LANES Board.

- Fiscal Intermediary Agreement signed – All six LANES Board members signed an agreement with PHFE, effective July 27, 2011, to operate as the LANES fiscal intermediary. Your Board previously authorized the CEO to sign an agreement with PHFE on January 11, 2011.

- Technology services agreement – LANES is working with PHFE and WHIN to review and approve the agreement between PHFE and WHIN for the required technology services for the LANES HDHP.

- Monthly CeC check-in calls – LANES has conducted two monthly check-in calls with CeC on July 21, 2011 and August 18, 2011, as required by the CeC grant. The calls represent an opportunity for CeC to check progress on the deliverables, as well as an opportunity for LANES to discuss achievements and challenges in meeting the grant deliverables.

- Bimonthly CeC Community of Practice (COP) webinars – LANES has participated in two bimonthly COP webinars on June 28, 2011 and August 16, 2011. The COP webinars include each of the five CeC HIE Expansion Grant grantees and are an opportunity to share relevant information regarding each grantees current experience, achievements, challenges, and best practices with all of the grantees.

NEXT STEPS

As noted above, LANES and WHIN will be working with CeC over the coming weeks to update the deliverables timeline. We will provide your Board a copy of the revised timeline once it is approved by CeC. LANES and WHIN will also begin work on the deliverables for the CeC grant quickly. For example, two of the first items to be worked on are the expansion of the WHIN infrastructure in order to scale-up for the Los Angeles County region and WHIN completing work on technical design documents for planned connections to State of California preferred Electronic Health Records systems. We will report the progress on the deliverables in our next report to your Board on November 30, 2011.

Each Supervisor
September 1, 2011
Page 4

Please let me know if you have questions or need additional information, or your staff may contact Sheila Shima, Deputy Chief Executive Officer, at (213) 974-1160 or sshima@ceo.lacounty.gov.

WTF:SAS:MLM
MM:bjs

Attachment

c: Executive Office, Board of Supervisors
       Auditor-Controller
       Chief Information Office
       County Counsel
       Health Services

090111_HMHS_MBS_LANES quarterly update

EXHIBIT A: STATEMENT OF WORK

**LONG BEACH NETWORK FOR HEALTH
dba WESTERN HEALTH INFORMATION NETWORK**

Program #3022.001.001.001.01.01

1. Definition of Common Terms in this Statement of Work.

ACN –Accountable Care Network

BAA – Business Associate Agreement

CCALAC – Community Clinic Association of Los Angeles County

CVHP – Citrus Valley Health Partners

DHS – Department of Health Services

Edge Server – In a federated health information exchange, an edge server acts as a proxy for the provider organization by hosting copies of patient records. Patient records contained in the edge server are cross referenced through the MPI and provided to requestors with appropriate consent.

HIE – Health Information Exchange

HITEC-LA – Health Information Technology Extension Center Los Angeles

LAC – Los Angeles County

LANES – Los Angeles Network for Enhanced Services

MPI – Master Person Index. All MPI work in this scope of work refers to the community (WHIN) MPI.

MPI Analysis – this is a report that provides information related to the number of contributing data sources, the number of matched lives, the number of unmatched lives, and the frequency of auto-linking of lives, etc.

NwHIN – Nationwide Health Information Network

TDD -- Technical Design Documents are field level documents that maps the participant's outbound interface to the WHIN inbound interface, including all design notes and mappings. This document will is approved by the participant before execution of the development.

2. Description of Services.

Company will provide appropriate resources and licenses to accomplish the following deliverables by quarter as described in the Cal eConnect Grant to LANES.

Grant Quarter	Deliverable(s) and *Responsible Party or Parties*
1Q	Project Documents including: 1. Project Charter 2. Detailed Project Plan and timelines 3. Documentation to Support Project Participants (specifications, TDDs, in kind tracking sheets, etc.) 4. Outreach and Communications Materials for non-project participants *WHIN – Contract signing plus 3 weeks*
	Signed Business Associate Agreement between LAC DHS and WHIN to support interface development *(LAC DHS) and WHIN*
	Establish new edge servers and MPI connectivity for CVHP 1. Install virtual environment and Mirth Connect software to edge servers 2. Establish and test VPN connectivity between Mirth Connect and the edge servers 3. Update Technical Design Documents 4. Complete Channel (Interface) Development 5. Deploy Channel (Interface) to Test Environment 6. Test Channels *WHIN*
	Establish new edge servers and MPI connectivity for Providence 1. Install virtual environment and Mirth Connect software to edge servers 2. Establish and test VPN connectivity between Mirth Connect and the edge servers 3. Technical Design Documents 4. Complete Channel (Interface) Development 5. Deploy Channel (Interfaces) to Test Environment 6. Test Channels (Interfaces) *WHIN*
	Conduct MPI Analysis and report results to LANES – establish a baseline of unique lives. Report the following statistics: auto-links, tasks created, changes. *WHIN*

2Q	CVHP and Providence Go-Live
	1. Establish Production Environment
	2. Deploy Channels (Interfaces) to Production
	3. Populate MPI
	4. System Testing
	5. User Acceptance Testing
	6. Sign off for Go Live
	7. Go-Live
	(CVHP, Providence), and WHIN
	Los Angeles County DHS Interface to WHIN
	1. Establish Test Environment
	2. Develop Technical Design Documents for Interfaces
	3. Complete Channels (Interface) Development
	4. Deploy Channels (Interface) to Test Environment
	5. Test Channels (interfaces)
	(LAC DHS) and WHIN
	Signed Business Associate Agreement between Los Angeles County Regional Safety Net ACN participants and WHIN to support interface development
	(Los Angeles County Regional Safety NET ACN) and WHIN
	Shared Edge Server for Community Clinics' data
	1. Install virtual environment and Mirth Connect software to edge server
	2. Establish and test VPN connectivity between Mirth Connect and the edge server
	3. Deploy Production Environment
	Owner: WHIN
	Establish VPN & Edge Server with the Los Angeles County Regional Safety Net ACN participants
	1. Install virtual environment and Mirth Connect software to edge server
	2. Establish and test VPN connectivity between Mirth Connect and the edge server
	(Los Angeles County Regional Safety NET ACN) and WHIN
	Conduct MPI Analysis and report results to LANES – target 1% increase in unique lives over previous periods. Report the following statistics: auto-links, tasks created, changes.
	WHIN
3Q	The revised Data Participation Agreement is approved by L.A. County counsel to go to Board of Supervisors for approval
	(LANES) & WHIN

	Business Sustainability
	1. Establish a sustainability committee
	2. Develop a cost model for LANES powered by WHIN
	3. Develop a pricing model for LANES powered by WHIN
	4. Determine the billing mechanism for LANES powered by WHIN
	5. Determine the costs for the ongoing support of LANES powered by WHIN
	6. Sell LANES powered by WHIN service subscriptions
	(LANES) and WHIN
	Quest/Care 360 Interface and Go-Live
	1. Sign Business Associate Agreement
	2. Establish and test VPN connectivity between Quest and WHIN
	3. Establish Test Environment
	4. Complete Channel Development
	5. Deploy Channel to Test Environment
	6. Establish Production Environment
	7. System Testing
	8. User Acceptance Testing for all sites that provide Quest data through this interface
	9. Sign off for Go Live with each site
	10. Go-Live with each site
	(Quest) and WHIN
	Los Angeles County Regional Safety Net ACN Interfaces to WHIN
	1. Establish Test Environment
	2. Develop Technical Design Documents
	3. Complete Channel (Interface) Development
	4. Deploy Channel (Interface) to Test Environment
	(Los Angeles County Regional Safety NET ACN participants) and WHIN
	HITEC-LA Preferred EHR Vendors Interface to WHIN – first four of eight sites
	WHIN
	1. Sign Business Associate Agreement
	2. Establish and test VPN connectivity between Mirth Connect and the edge server
	3. Complete Channel (Interface) Development
	4. Deploy Channel (Interface) to Test Environment
	5. Test Channels (Interfaces)
	6. Establish Production Environment
	7. Deploy Channel (Interface) to Production four respective sites
	8. System Testing
	9. User acceptance testing
	10. Sign off for Go Live for each of four sites
	11. Go-Live with four sites
	Owner: (HITEC-LA) and WHIN

		Conduct MPI Analysis and provide statistics to LANES – target 1% increase in unique lives over previous periods. Report the following statistics: auto-links, tasks created, changes. *WHIN*

4Q		Los Angeles County DHS Go-Live
		   1. Board of Supervisors approves Data Participation Agreement
		   2. Establish Production Environment
		   3. Deploy Channel (Interface) to Production
		   4. Pre-tune MPI for LAC DHS data by matching sample pairs
		   5. System Testing
		   6. User Acceptance Testing
		   7. Sign off for Go Live
		   8. Go-Live
		(LAC DHS) and WHIN

		Los Angeles County Regional Safety Net ACN Go-Live
		   1. Sign Data Participation Agreement
		   2. Establish Production Environment
		   3. Deploy Channel (Interface) to Production
		   4. System Testing
		   5. User Acceptance Testing
		   6. Sign off for Go Live
		   7. Go-Live
		(Los Angeles County Regional Safety Net ACN) and WHIN

		HITEC-LA Preferred EHR Vendors Interface to WHIN – second four of eight sites
		WHIN
		   1. Sign Business Associate Agreement
		   2. Establish and test VPN connectivity between Mirth Connect and the edge server
		   3. Complete Channel (Interface) Development
		   4. Deploy Channel (Interface) to Test Environment
		   5. Test Channels (Interfaces)
		   6. Establish Production Environment
		   7. Deploy Channel (Interface) to Production four respective sites
		   8. System Testing
		   9. User acceptance testing
		   10. Sign off for Go Live for each of four sites
		   11. Go-Live with four sites
		Owner: (HITEC-LA) and WHIN

		NwHIN Gateway
		   1. Configure Gateway
		   2. Establish VPN connectivity
		   3. Test Gateway
		(LANES, ONC) and WHIN

	Provide metrics for Cal eConnect evaluation team *(LANES) & WHIN*
	Conduct MPI Analysis and provide statistics to LANES – target 25% increase in unique lives over previous periods. Report the following statistics: auto-links, tasks created, changes. *WHIN*
5Q	Conduct MPI Analysis and provide statistics to LANES -- target 5% increase in unique lives over previous periods. Report the following statistics: auto-links, tasks created, changes. *WHIN*
	Provide metrics for Cal eConnect evaluation team *(LANES) & WHIN*
6Q	Conduct MPI Analysis and provide statistics to LANES – target 5% increase in unique lives over previous period. Report the following statistics: auto-links, tasks created, changes. *WHIN*
	Provide metrics for Cal eConnect evaluation team *(LANES) & WHIN*

3. Status Reports

Company will provide the LANES Board, or their designee, with monthly status reports, monthly accounting reports, and participate in meetings with Cal eConnect, as per the Cal eConnect grant requirements. Monthly status reports provided to the LANES Board will include: detailed work hours (name, hourly rate, and hours worked), status of assigned tasks, and measures of significant progress.

4. Company Staff Resources

Company will provide the following staff to the project in order to meet the described deliverables, consisting of Company staff or consultants:

Joe Brisson, Project Manager – estimate 940 hours @ $104/hour.

Martin Devon, Operations Manager – estimate 376 hours @$124/hour.

Rim Cothren and/or Dale Will, HIE Architect – estimate 200 hours @$225/hour.

Stacie Durkin, MPI Specialist – estimate 200 hours @$225/hour.

Legal Counsel – estimate 50 hours @$575/hour.

Interface Engineer – 842.1 hours @ $95/hour.

Technical Writer – 120 hours @ $55/hour.

Tester – 229.8 hours @ $50/hour.

5. Company Infrastructure Resources

Company will provide the following infrastructure resources to the project:

Core HIE Implementation in New Data
Center $67,125.00

Mirth Channel Development Consulting	$30,000.00
Mirth Results, Community Portal	$60,000.00
Distributed Query, NHIN Gateway	$30,000.00
Mirth Connect, Data Feeds	$20,000.00
additional IPSecVPN Connections	$1,500.00
Initiate MPI Licenses	$135,200.00
Mirth HIE Licenses	$126,750.00
Community Clinic Shared Server & Hosting	$48,000.00

6. Edge Servers

WHIN will ensure the participating clinic's data on the edge server will be segregated by organization as appropriate. WHIN will also provide hardware for an edge server to the Los Angeles County Department of Health Services.